#2

OIPE

RAW SEQUENCE LISTING DATE: 06/20/2001 PATENT APPLICATION: US/09/872,852 TIME: 12:08:09

Input Set : A:\IOWA031US.APP

Output Set: N:\CRF3\06202001\I872852.raw

ENTERED

```
3 <110> APPLICANT: MCCRAY JR, PAUL B.
              TACK, BRIAN
      5
              JIA, HONG PENG
              SCHUTTE, BRIAN C.
      8 <120> TITLE OF INVENTION: HUMAN BETA-DEFENSIN-3 (HBD-3), A HIGHLY CATIONIC
              BETA-DEFENSIN ANTIMICROBIAL PEPTIDE
     11 <130> FILE REFERENCE: IOWA:031US
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/872,852
     14 <141> CURRENT FILING DATE: 2001-06-01
     16 <150> PRIOR APPLICATION NUMBER: 60/208,792
     17 <151> PRIOR FILING DATE: 2000-06-01
     19 <160> NUMBER OF SEQ ID NOS: 24
     21 <170> SOFTWARE: PatentIn Ver. 2.1
     23 <210> SEO ID NO: 1
     24 <211> LENGTH: 204
     25 <212> TYPE: DNA
     26 <213> ORGANISM: Homo sapiens
     28 <400> SEQUENCE: 1
     29 atgaggatee attatettet gtttgetttg etetteetgt ttttggtgee tgtteeaggt 60
     30\ \text{catggaggaa}\ \text{tcataaacac}\ \text{attacagaaa}\ \text{tattattgca}\ \text{gagtcagagg}\ \text{cggccggtgt}\ 120
     31 getgtgetea getgeettee aaaggaggaa eagateggea agtgetegae gegtggeega 180
     32 aaatgctgcc gaagaaagaa ataa
     35 <210> SEQ ID NO: 2
     36 <211> LENGTH: 67
     37 <212> TYPE: PRT
     38 <213> ORGANISM: Artificial Sequence
     40 <220> FEATURE:
     41 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     42
              Peptide
     44 <400> SEQUENCE: 2
     45 Met Arg Ile His Tyr Leu Leu Phe Ala Leu Leu Phe Leu Phe Leu Val
     48 Pro Val Pro Gly His Gly Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr
                     20
     51 Cys Arg Val Arg Gly Gly Arg Cys Ala Val Leu Ser Cys Leu Pro Lys
                 35
                                      40
     54 Glu Glu Gln Ile Gly Lys Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg
     55
             50
                                  55
     57 Arg Lys Lys
     58 65
     61 <210> SEQ ID NO: 3
     62 <211> LENGTH: 41
     63 <212> TYPE: PRT
     64 <213> ORGANISM: Artificial Sequence
     66 <220> FEATURE:
     67 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     68
              Peptide
```

RAW SEQUENCE LISTING DATE: 06/20/2001 PATENT APPLICATION: US/09/872,852 TIME: 12:08:09

Input Set : A:\IOWA031US.APP

Output Set: N:\CRF3\06202001\1872852.raw

```
70 <400> SEQUENCE: 3
71 Thr Leu Gln Lys Tyr Tyr Cys Arg Val Arg Gly Gly Arg Cys Ala Val
                                      10
72 1
74 Leu Ser Cys Leu Pro Lys Glu Glu Gln Ile Gly Lys Cys Ser Thr Arg
              20
                                  2.5
77 Gly Arg Lys Cys Cys Arg Arg Lys Lys
          35
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 45
83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
88
        Peptide
90 <400> SEQUENCE: 4
91 Gly Ile Ile Asn Thr Leu Gln Lys Tyr Tyr Cys Arg Val Arg Gly Gly
92 1
                   5
                                      10
94 Arg Cys Ala Val Leu Ser Cys Leu Pro Lys Glu Glu Gln Ile Gly Lys
95 20
                                  25
97 Cys Ser Thr Arg Gly Arg Lys Cys Cys Arg Arg Lys Lys
98
          35
                               40
101 <210> SEQ ID NO: 5
102 <211> LENGTH: 20
103 <212> TYPE: DNA
104 <213> ORGANISM: Homo sapiens
106 <400> SEQUENCE: 5
                                                                    20
107 atgaggatcc attatcttct
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 20
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 6
116 ttatttcttt cttcggcagc
                                                                    20
119 <210> SEQ ID NO: 7
120 <211> LENGTH: 20
121 <212> TYPE: DNA
122 <213> ORGANISM: Homo sapiens
124 <400> SEQUENCE: 7
                                                                    20
125 tgtttgcttt gctcttcctg
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 20
130 <212> TYPE: DNA
131 <213> ORGANISM: Homo sapiens
133 <400> SEQUENCE: 8
                                                                    20
134 ctttcttcgg cagcattttc
137 <210> SEQ ID NO: 9
138 <211> LENGTH: 20
139 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapiens
```

DATE: 06/20/2001 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/872,852 TIME: 12:08:09

Input Set : A:\IOWA031US.APP

Output Set: N:\CRF3\06202001\1872852.raw

	<400> SEQUENCE: 9	20
	gtcagtggtg gacctgacct	20
	<210> SEQ ID NO: 10	
	<211> LENGTH: 20	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 10	
152	aggggtctac atggcaactg	20
155	<210> SEQ ID NO: 11	
156	<211> LENGTH: 20	
157	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
160	<400> SEQUENCE: 11	
161	tcggagaact cagggaaaga	20
164	<210> SEQ ID NO: 12	
165	<211> LENGTH: 20	
166	<212> TYPE: DNA	
167	<213> ORGANISM: Homo sapiens	
169	<400> SEQUENCE: 12	
170	gcccttggga tacttcaaca	20
173	<210> SEQ ID NO: 13	
	<211> LENGTH: 28	
175	<212> TYPE: DNA	
176	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 13	
	tgttccaggt aagatgggct gggaaatc	28
	<210> SEQ ID NO: 14	
	<211> LENGTH: 28	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 14	
	gtgctgtttt gtcattgcag gtcatgga	28
	<210> SEQ ID NO: 15	
	<211> LENGTH: 28	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 15	
	qtttccaggt aaaatggaaa ggtgaccc	28
	<210> SEO ID NO: 16	
	<211> LENGTH: 28	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens <400> SEQUENCE: 16	
	~	28
	gtgtgtttcc acttgcacag gatcgtct	20
	<210> SEQ ID NO: 17	
	<211> LENGTH: 28	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
214	<400> SEQUENCE: 17	

RAW SEQUENCE LISTING

DATE: 06/20/2001 TIME: 12:08:09

PATENT APPLICATION: US/09/872,852

Input Set : A:\IOWA031US.APP

Output Set: N:\CRF3\06202001\1872852.raw

	ttaccaaggt gagtcaggga ccaacacg	28
	<210> SEQ ID NO: 18	
	<211> LENGTH: 28	
	<212> TYPE: DNA	
221	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 18	
224	ctccctttgt ttccttctag tgcacatc	28
227	<210> SEQ ID NO: 19	
	<211> LENGTH: 28	
	<212> TYPE: DNA	
230	<213> ORGANISM: Homo sapiens	
232	<400> SEQUENCE: 19	
	tgggccaggt gagcattcat aaaacaca	28
	<210> SEQ ID NO: 20	
237	<211> LENGTH: 28	
	<212> TYPE: DNA	
239	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 20	
	ctcttctgtt gtatccatag gggatgtt	28
245	<210> SEQ ID NO: 21	
246	<211> LENGTH: 28	
	<212> TYPE: DNA	
248	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 21	
	ccattctggt gagaaaaagc gtgacatt	28
	<210> SEQ ID NO: 22	
	<211> LENGTH: 28	
256	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 22	
	tttggcctca tgttcctcag aaatgaaa	28
	<210> SEQ ID NO: 23	
	<211> LENGTH: 28	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 23	
	tccaccaggt gagatgggga ggatggga	28
	<210> SEQ ID NO: 24	
	<211> LENGTH: 28	
	<212> TYPE: DNA	
	<213> ORGANISM: Homo sapiens	
	<400> SEQUENCE: 24	
278	ctgctcttat ttgggaacag ggacaggc	28

VERIFICATION SUMMARY

DATE: 06/20/2001

PATENT APPLICATION: US/09/872,852 TIME: 12:08:10

.

Input Set : A:\IOWA031US.APP

Output Set: N:\CRF3\06202001\1872852.raw

 $L{:}13\ \texttt{M}{:}270\ \texttt{C}{:}\ \texttt{Current Application Number differs, Replaced Current Application Number}$